

magnesium chelatase

Cat. No. EXWM-5827

Lot. No. (See product label)

Introduction

Description This is the first committed step of chlorophyll biosynthesis and is a branchpoint of two major routes in the tetrapyrrole pathway.

Synonyms protoporphyrin IX magnesium-chelatase; protoporphyrin IX Mg-chelatase; magnesium-protoporphyrin IX chelatase; magnesium-protoporphyrin chelatase; magnesium-chelatase; Mg-chelatase; Mg-protoporphyrin IX magnesio-lyase

Product Information

Form Liquid or lyophilized powder

EC Number EC 6.6.1.1

CAS No. 9074-88-8

Reaction $\text{ATP} + \text{protoporphyrin IX} + \text{Mg}^{2+} + \text{H}_2\text{O} = \text{ADP} + \text{phosphate} + \text{Mg-protoporphyrin IX} + 2 \text{H}^+$

Notes This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.